

ABSTRACT OF THE DISCLOSURE

Transmitted signals from plurality of mobile terminals are received at one or more base stations in a Code Division Multiple Access system. The base stations send the received signals to a central processor in the form of complex signal sample streams. The central processor determines the correlations between the spreading codes used by the mobile terminals and combines the interference correlations with channel estimates to form an interference matrix. The central processor uses the interference matrix to process the received signals reduce the interference between signals from different mobile terminals.